

IN THE CLAIMS:

1. (Original) A flexible absorbent sheet comprising:

(a) a superabsorbent polymer component comprising

(i) at least one unneutralized acidic water-absorbing resin, and

(ii) at least one unneutralized basic water-absorbing resin; and

(b) a plasticizing component in an amount of about 0.1 to about 200 parts by weight per 100 weight parts of the superabsorbent polymer component, wherein the sheet contains about 60% to 100%, by weight, of (a) and (b).

2. (Original) The sheet of claim 1 wherein the superabsorbent polymer component comprises discrete particles of the acidic resin and discrete particles of the basic resin.

3. (Currently amended) The sheet of ~~one of the claims~~ claim 1 to 2 wherein the superabsorbent polymer component comprises multicomponent superabsorbent polymer particles wherein each particle has at least one microdomain of the acidic resin in contact with, or in close proximity to, at least one microdomain of the basic resin.

4. (Currently amended) The sheet of ~~one of the claims~~ claim 1 to 3 wherein the superabsorbent polymer component comprises particles having a particle size distribution of about 10 to about 810 μm .

5. (Currently amended) The sheet of ~~one of the claims~~ claim 1 to 4 wherein the superabsorbent polymer component comprises particles having a particle size distribution of about 30 to about 375 μm .

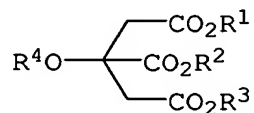
6. (Currently amended) The sheet of ~~one of the claims~~ claim 1 to 5 wherein the superabsorbent polymer component comprises particles having a mass median particle size of less than about 400 μm .

7. (Currently amended) The sheet of ~~one of the claims~~ claim 1 to 6 wherein the acidic water-absorbing resin is selected from the group consisting of polyacrylic acid, a hydrolyzed starch-acrylonitrile graft copolymer, a starch-acrylic acid graft copolymer, a saponified vinyl acetate-acrylic ester copolymer, a hydrolyzed acrylonitrile polymer, a hydrolyzed acrylamide copolymer, an ethylene-maleic anhydride copolymer, an isobutylene-maleic anhydride copolymer, a poly(vinylphosphonic acid), a poly(vinylsulfonic acid), a poly(vinylphosphoric acid), a poly(vinylsulfuric acid), a sulfonated polystyrene, a poly(aspartic acid), a poly(lactic acid), and mixtures thereof.

8. (Currently amended) The sheet of ~~one of~~
~~the claims~~ claim 1 to 7 wherein the basic water-absorb-
ing resin is selected from the group consisting of a
poly(vinylamine), a poly(dialkylaminoalkyl(meth)acryl-
amide), a polymer prepared from the ester analog of an
N-(dialkylamino(meth)acrylamide), a polyethylenimine, a
poly(vinylguanidine), a poly(allylguanidine), a poly-
(allylamine), a poly(dimethyldialkylammonium hydrox-
ide), a guanidine-modified polystyrene, a quaternized
polystyrene, a quaternized poly(meth)acrylamide or
ester analog thereof, poly(vinylalcohol-co-vinylamine),
and mixtures thereof.

9. (Currently amended) The sheet of ~~one of~~
~~the claims~~ claim 1 to 8 wherein the plasticizer com-
ponent is selected from the group consisting of an
alcohol, a glycol, a triol, a polyhydroxy compound, an
amine alcohol, an amide, a sulfoxide, a glycol ether, a
glycol ester, an aprotic solvent, and mixtures thereof.

10. (Currently amended) The sheet of ~~one of~~
~~the claims~~ claim 1 to 9 wherein the plasticizer com-
 ponent is selected from the group consisting of glyc-
 erol; propylene glycol; ethylene glycol; hexylene
 glycol; 1,3-butylene glycol; diethylene glycol; tri-
 ethylene glycol; 1,3-propanediol; pentaerythritol; 1,4-
 butane diol; diacetone alcohol; water; trimethylolpro-
 pane; trimethylolethane; neopentyl glycol; cyclohexane-
 dimethanol; isopropylidene bis(p-phenyleneoxypropanol-
 2); polyethylene glycol (M.W. 500 or less); polypro-
 pylene glycol (M.W. 500 or less); polybutylene glycol
 (M.W. 500 or less); methanol; ethanol; butanol; mono-,
 di-, and triacetin; the monomethyl, ethyl, butyl, and
 phenyl ethers of ethylene glycol, diethylene glycol,
 propylene glycol, dipropylene glycol, and tripropylene
 glycol, e.g., monomethyl ether of propylene glycol or
 monoethyl ether of ethylene glycol; dimethylformamide;
 diethylformamide; N-methylpyrrolidone; dimethyl sul-
 foxide; triethanolamine; diethanolamine; tetrahydro-
 furan; ethylene carbonate; isophorone; dioxane; hexa-
 methylphosphoramide; sorbitol; a sorbitan fatty acid
 ester; aqueous sucrose; a citrate having a formula:



wherein R^1 , R^2 , and R^3 , independently, are C_{1-4} alkyl and
 R^4 is selected from the group consisting of hydrogen,
 C_{1-4} alkyl, and $\text{C}(\text{O})\text{R}^5$, wherein R^5 is an alkyl group; an
 ethoxylated alkylphenol; an and propoxylated fatty
 (C_{6-22}) alcohols; a polyethylene glycol ether of methyl

glucose; a polyethylene glycol ether of sorbitol; an ethylene oxide-propylene oxide block copolymer; an ethoxylated ester of fatty (C₆₋₂₂) acid; a condensation product of ethylene oxide with long-chain amine or amide; and mixtures thereof.

11. (Currently amended) The sheet material of ~~one of the claims~~ claim 1 to 10 wherein the SAP component is internally plasticized.

12. (Currently amended) The sheet material of ~~one of the claims~~ claim 1 to 11 wherein the acidic water-absorbing resin comprises poly(acrylic acid); the basic water-absorbing resin comprises poly(vinylamine), polyethylenimine, or a mixture thereof; and the plasticizing agent comprises propylene glycol, glycerol, water, and mixtures thereof.

13. (Currently amended) The sheet of ~~one of the claims~~ claim 1 to 12 further comprising up to 40%, by weight in total, of one or more optional ingredient.

14. (Currently amended) The sheet of ~~one of the claims~~ claim 1 to 13 wherein the optional ingredient is selected from the group consisting of a conventional superabsorbent polymer, a nonabsorbent filler, a nonwoven fiber, a permeation aid, a pigment, and mixtures thereof.

15. (Currently amended) The sheet material of ~~one of the claims~~ claim 1 to 14 having a stiffness of less than about 6 mNm.

16. (Currently amended) The sheet material ~~one of the claims~~ claim 1 to 15 having a density of about 0.3 to about 0.9 g/cc.

17. (Currently amended) The sheet material ~~one of the claims~~ claim 1 to 16 wherein the sheet is embossed or needle punched.

18. (Currently amended) An absorbent article comprising a sheet of ~~one of the claims~~ claim 1 to 17.

19. (Original) The article of claim 18 wherein the article is a diaper or a catamenial device.

20. (Currently amended) A diaper having a core, said core comprising at least one absorbent sheet of ~~one of the claims~~ claim 1 to 17.

21. (Currently amended) The diaper of claim 20 wherein the core comprises two to five absorbent sheets of ~~one of the claims~~ claim 1 to 17.

22. (Original) The method of claim 21 wherein at least one of adjacent sheets has a wicking layer disposed between the sheets.

23. (Currently amended) The diaper of ~~one~~
~~of the claims~~ claim 20 ~~to 22~~ further comprising a
topsheet in contact with a first surface of the core,
and a backsheet in contact with a second surface of the
core, said second core surface opposite from said first
core surface.

24. (Currently amended) The diaper of ~~one~~
~~of the claims~~ claim 20 ~~to 23~~ further comprising an
acquisition layer disposed between the topsheet and the
core.

25. (Currently amended) The diaper ~~one of~~
~~the claims~~ claim 20 ~~to 23~~ wherein the diaper is free of
an acquisition layer.

26. (Currently amended) The diaper of ~~one~~
~~of the claims~~ claim 20 ~~to 25~~ wherein the sheet is free
of cellulosic fibers.

27. (Currently amended) The diaper of ~~one~~
~~of the claims~~ claim 20 ~~to 26~~ wherein at least one of
the sheets further comprises up to 25%, by weight, of
nonwoven fibers.